

MAS-1 Probe



The Simple Way for Invasive Measurements

The MAS-1 Probe is an invasive probe for measurement of mA (tube current) and mAs. Together with Piranha or Barracuda direct reading of mA and mAs as well as waveforms are obtained.



Contact

Details

Innovative X-ray QA Solutions...of Course!

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Simple Direct Reading

The Simple Way for Invasive Measurements

The MAS-1 Probe is an invasive probe for the measurement of mA (tube current) and mAs. Together with Piranha or Barracuda direct reading of mA and mAs as well as waveforms are easily achievable. The combination also allows you to simultaneously measure kV, dose, dose rate, and total filtration.

The MAS-1 Probe connects to the mAs socket of the X-ray generator and to the multimeter. This provides a direct reading of the mA and mAs, as well as an mA waveform. The MAS-1 Probe can be used to measure tube current for all modalities including fluoroscopic and radiographic exposures.

The probe has a built-in low-pass filter with a bandwidth of 500 Hz and accepts a floating input range of ± 90 V relative to ground.

MAS-1 Probe with Piranha

The MAS-1 Probe supports the Piranha ADI (automatic detector identification) system. When connected, the Piranha automatically identifies the probe and makes all necessary adjustments without any need for interaction from the user.

The Piranha ADI system also gives full interchangeability of probes between different Piranha systems using the same type of probes.

MAS-1 Probe with Barracuda

To use the MAS-1 Probe with the Barracuda, the Barracuda must have an electrometer module (recommended model is EMM-BiasW).

The Barracuda mAs-1 probe can be used with the extension cable, EXT-1.



Specifications:

Specifications with Barracuda or Piranha Type MAS-1B

Current range	0.1–3000 mA
Inaccuracy	± 1 % or ± 0.01 mA
Charge range	0.001 mAs–9999 mAs
Frequency range	DC–500 Hz (-3 dB)
Size	60 x 35 x 72 mm
Weight	125 g
Battery life	around 100 h (Rechargeable battery with mini-USB connector)
Cable length	8 meter for Barracuda (extension available)
Cable length	4 meter for Piranha (extension available)

